



SEQUENCE LISTING

<110> AVENTIS PHARMA S.A.

5 <120> Novel variants of the papM polypeptide of bacteria of the Streptomyces
genus

<130> PapM polypeptide

10 <140> FR0208057

<141> 2002-06-28

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15 <170> PatentIn Ver. 2.1

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<212> DNA

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Val Thr Ala Ala Ala Pro Thr Leu Ala Gln

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Ala Leu Asp Glu Ala Thr Gly Gln Leu Thr Gly Ala Gly Ile Thr Ala

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Asp Ala Ala Arg Ala Asp Thr Arg Leu Leu Ala Ala His Ala Cys Gln

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Val Ala Pro Gly Asp Leu Asp Thr Cys Leu Ala Gly Pro Val Pro Pro

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Arg Phe Trp His Tyr Val Arg Arg Arg Leu Thr Arg Glu Pro Ala Glu

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Arg Ile Val Gly His Ala Tyr Phe Met Gly His Arg Phe Asp Leu Ala

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 Val Asp Leu Val Val Thr Asn Pro Pro Tyr Ile Pro Ile Gly Leu Arg
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 Thr Ser Ala Pro Glu Val Leu Glu His Asp Pro Pro Leu Ala Leu Trp
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 Tyr Gln Leu Ala Ser Val Pro Ala Leu Phe Arg Ala Thr Gly Arg Trp
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 Ser His Ala Ser Ser Arg Pro Thr Cys Asn Asp Gly Cys Leu Thr Ala
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<213> Streptomyces pristinaespiralis

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Asp Thr Cys Leu Ala Gly Pro Val Pro Pro Arg Phe Trp His Tyr Val
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Arg Arg Arg Leu Thr Arg Glu Pro Ala Glu Arg Ile Val Gly His Ala
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Tyr Phe Met Gly His Arg Phe Asp Leu Ala Pro Gly Val Phe Val Pro
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Lys Pro Glu Thr Glu Glu Ile Thr Arg Asp Ala Ile Ala Arg Leu Glu
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Asn Pro Pro Tyr Ile Pro Ile Gly Leu Arg Thr Ser Ala Pro Glu Val
195 200 205

Leu Glu His Asp Pro Pro Leu Ala Leu Trp Ala Gly Glu Glu Gly Leu
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Gly Gly Val Leu Leu Leu Glu His Gly Ser Tyr Gln Leu Ala Ser Val
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15 Pro Thr Cys Asn Asp Gly Cys Leu Thr Ala Val Arg Asn His Thr Cys
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Ala Pro Pro Ala
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